

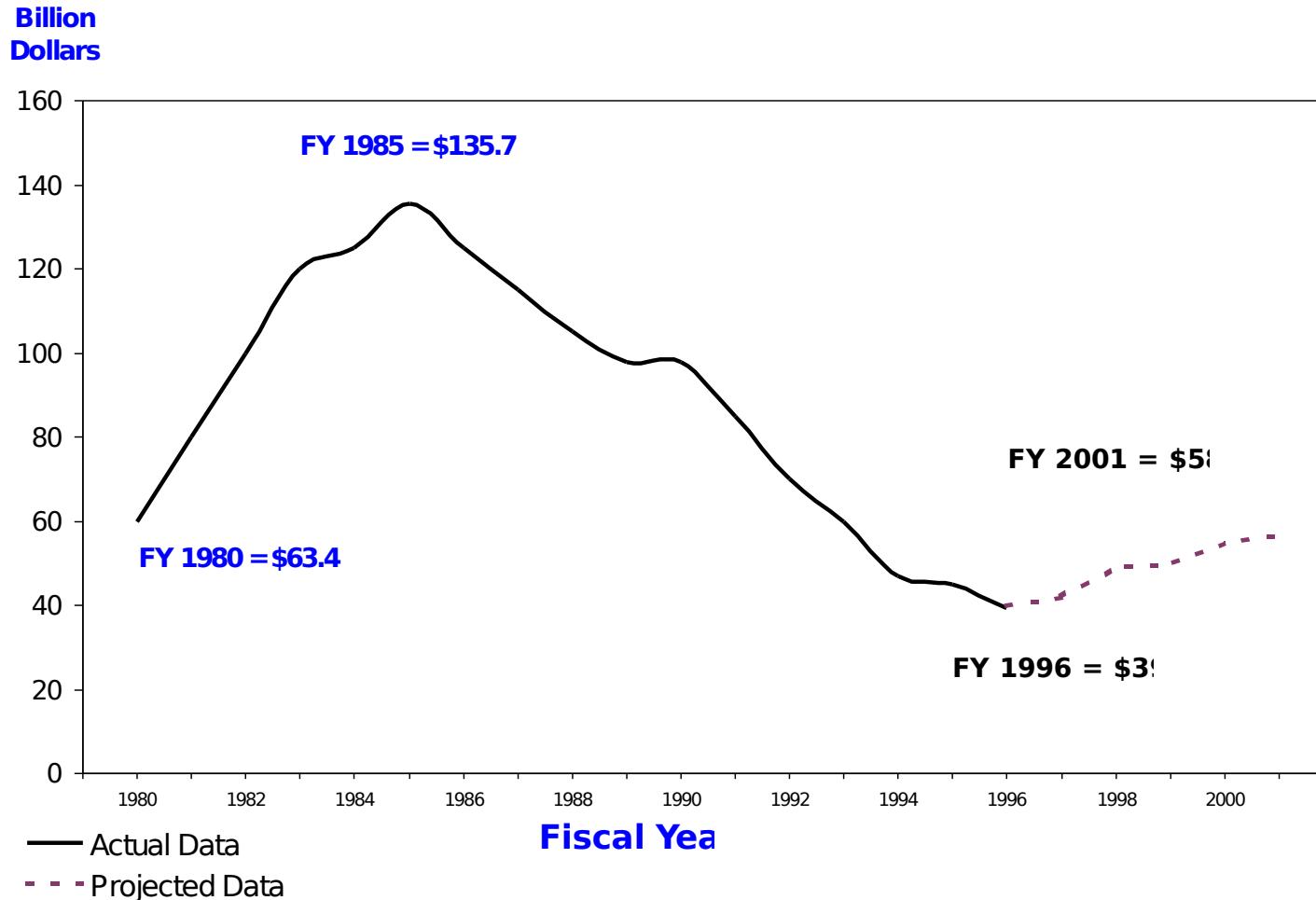
# **Successful Management Of The Effects Of Evolving Technology**

# Management of Evolving Technology

Management of Evolving Technology Includes Both Older Technologies in Existing Government and Commercial Equipments **As Well As** Utilizing the Potential of New Technology.  
⇒ Not Commodity Sensitive....Affects Parts,

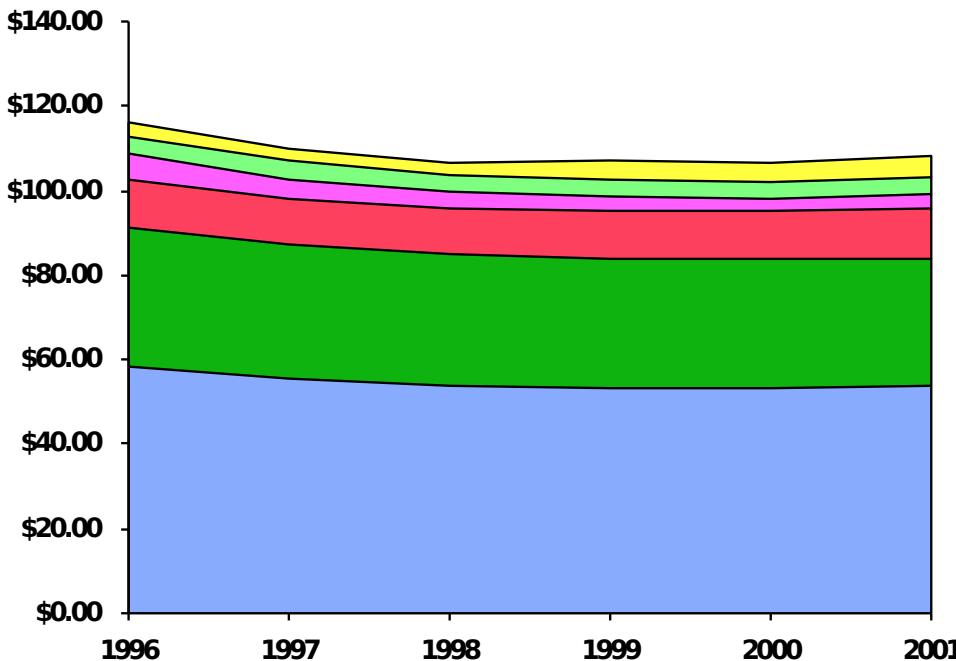
Modules and Materials at Random  
⇒ Upgrade Opportunity....for COTS

# DOD Procurement Budget 1980 to 2001 (of Constant 1996 Dollars)



# Direct Infrastructure Funding by Appropriation (FY 1996- 2001)

Billions



## Fiscal Year

■ Operation and Maintenance

■ Research, Development, Test, and Evaluation

■ Family Housing

■ Military Personnel

■ Military Construction

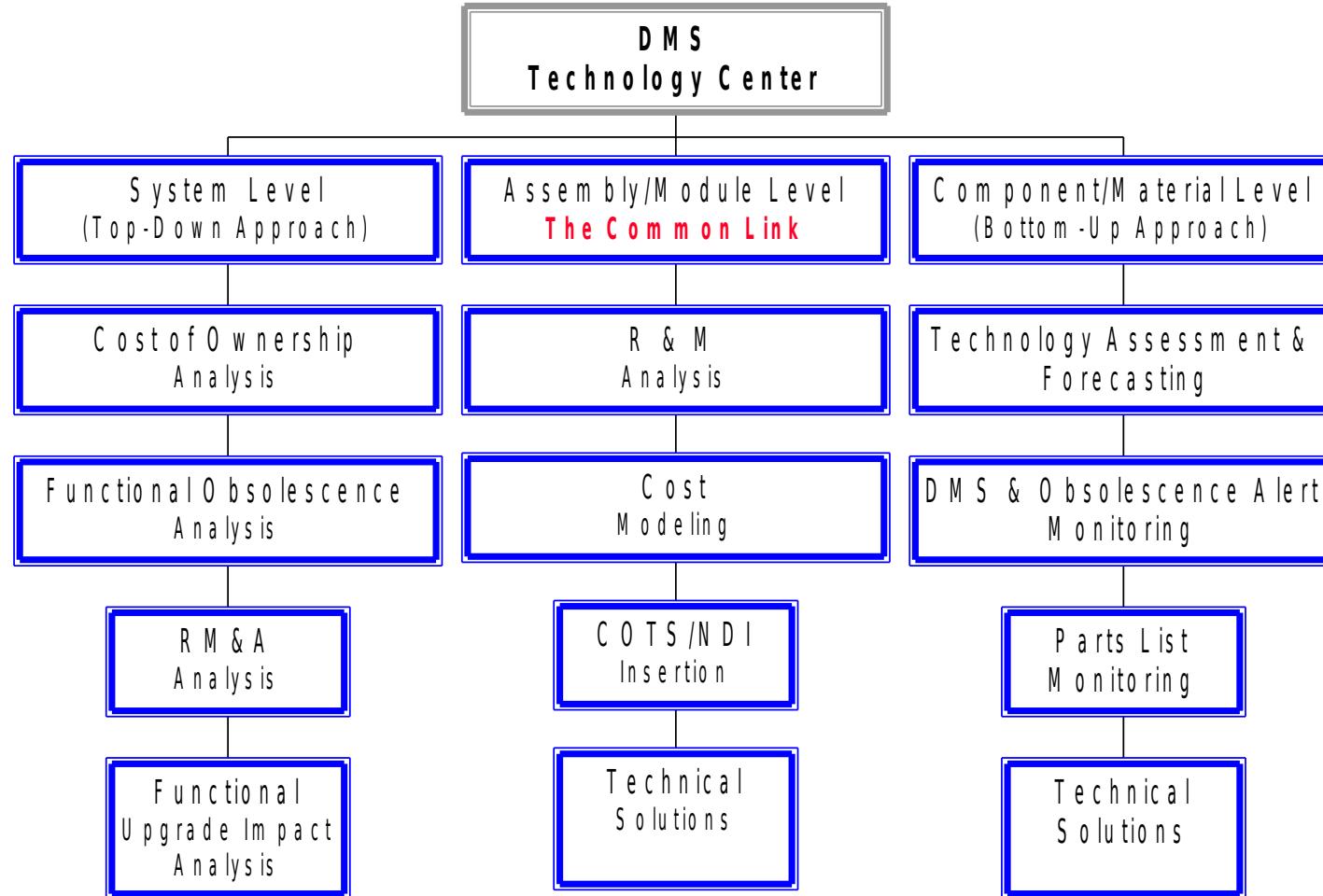
■ Procurement

# Effects of Evolving Technology on Older Systems



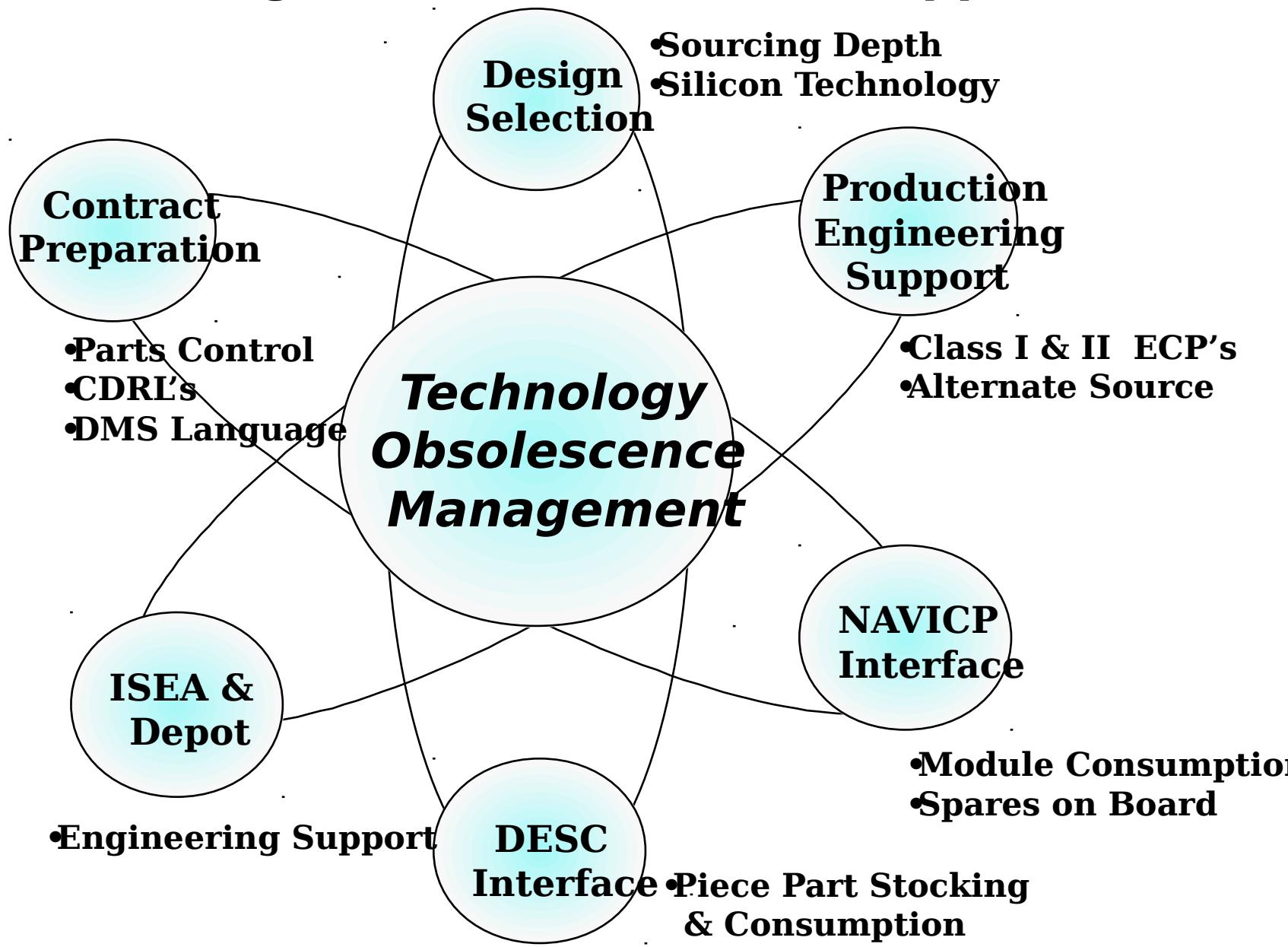
- Increasing Cost of Ownership
- Decreasing Repairability
- Degraded Mission Effectiveness
- Configuration Proliferation
- Diminished Effectiveness of Supply Support System
- Proliferation of Support Equipment
- Loss of Installation Baseline Control

# DTC Core Capabilities



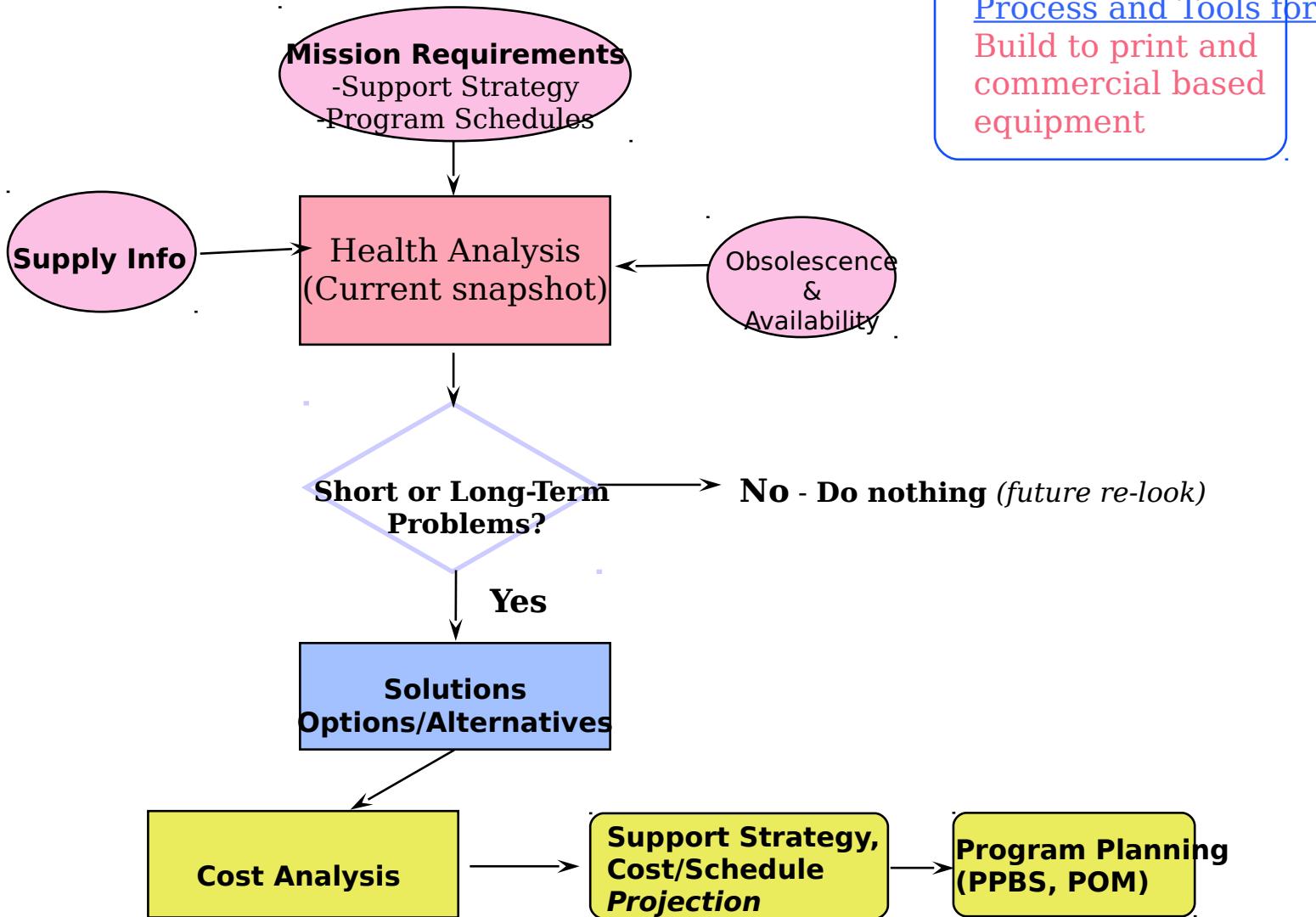
# AN/XXX Technology Management

## *'Design Selection To Fleet Support'*



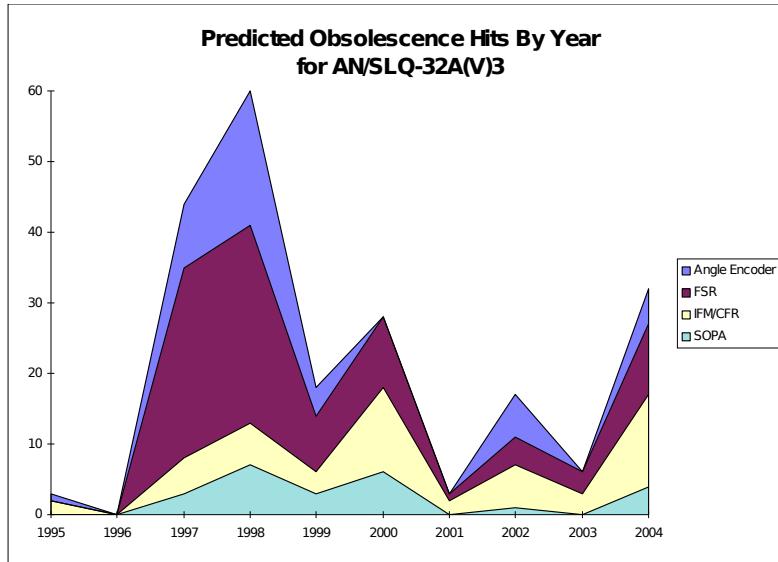
# Process Overview

Problem ID  
 - When  
 - What  
 - Where

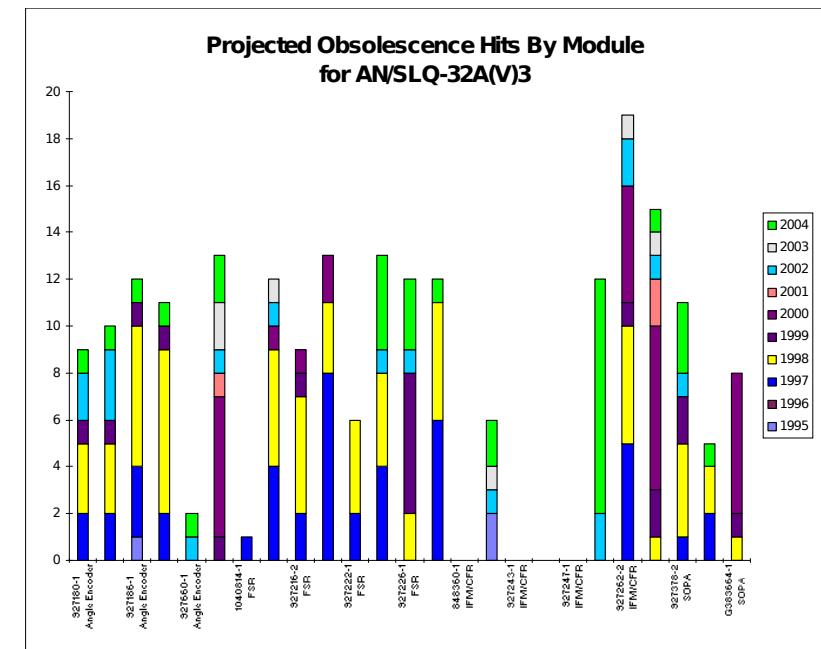


# AN/SLQ-32(V)3

## Obsolescence Projections



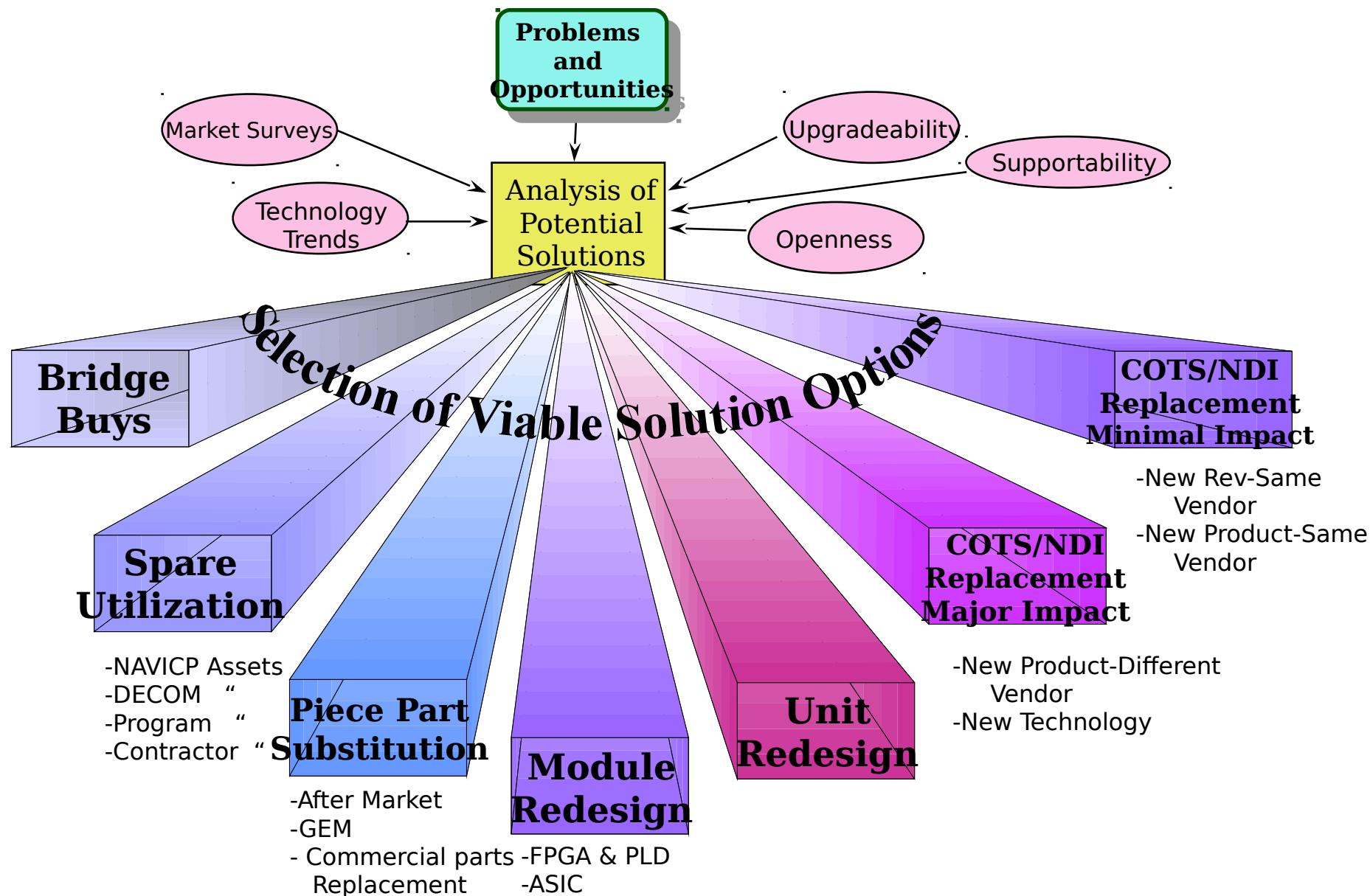
Total Projected Obsolescence Hits for Functional Areas by Year



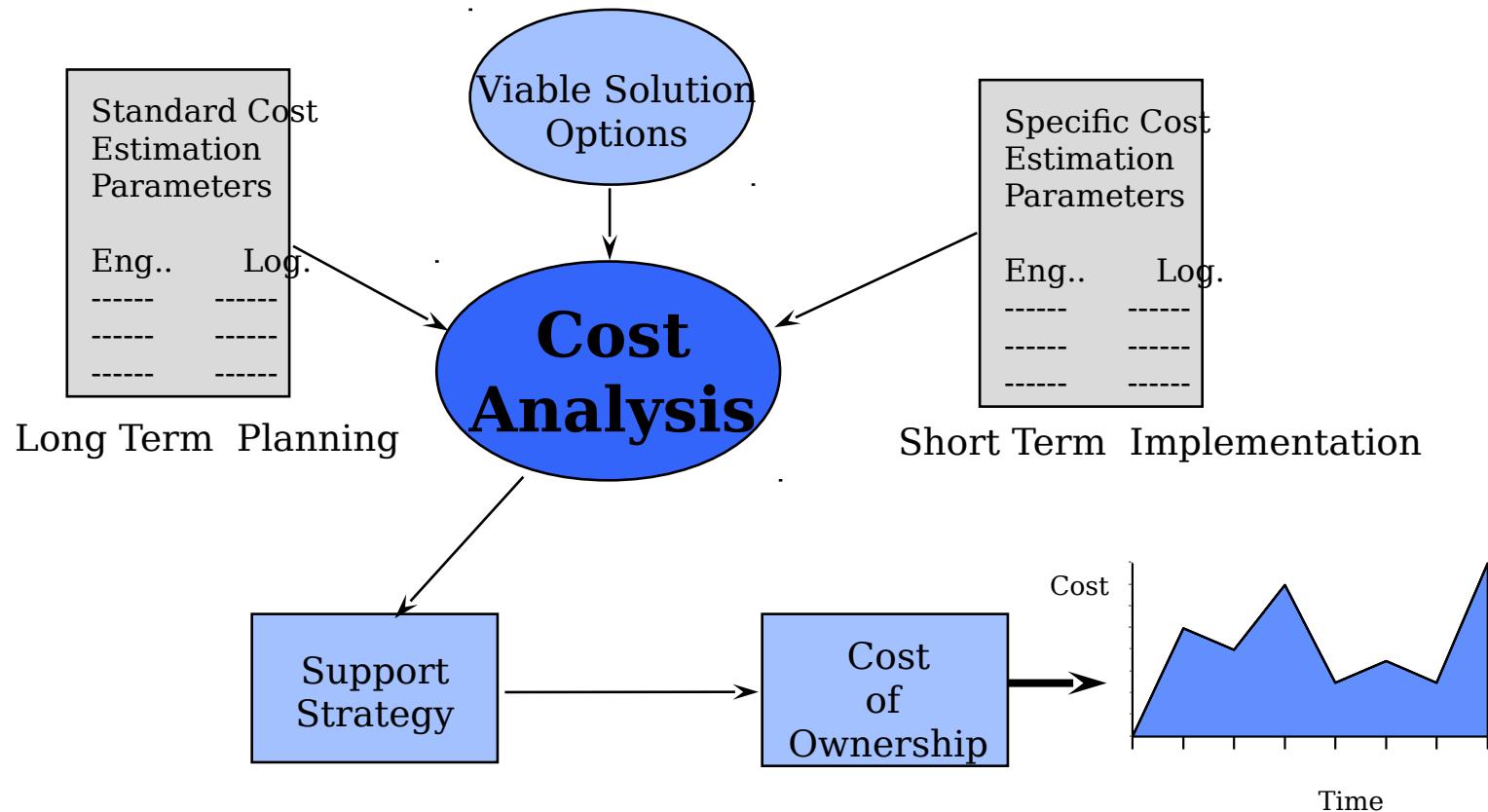
Projected Obsolescence Hits  
*By Module*

Chart Showing the Number of Projected Obsolete Components Per Year Ordered by Module/Functional Area.

# Solution Alternatives/Options



# Cost Analysis



# What is Successful?

Most Desirable Combination of:

Availability

Cost

Performance

Reliability

Maintainability

For the Desired Equipment Life Span

# Summary

- DOD Budgets Have Decreased and Funding has Shifted From Procurement to Operation and Maintenance Accounts
- Services Looking for Processes to Remodernize Fielded Systems
- Newly Acquired Equipment Will Be Primarily COTS/NDI
- Surface Warfare Center Proactively Incorporating Legacy System Management “Lessons Learned” into COTS Management
- DTC Utilizing “Single Process” for Both Commercial And Military Systems
- Output Provides Decision Support Data for Program Manager to:
  - Determine Today’s System Support Cost & Drivers
  - Reprogram Budget as Required for Future System Support
  - Compare Military Versus Commercial System Cost and Schedules